

# TER-HPNA2

## HomePNA 3.1 ADAPTER



### Enabling easy home networking of Ethernet devices using Coax wiring

#### HIGHLIGHTS

Converts Ethernet to HomePNA signaling on coaxial cables

Uses existing coaxial cable to provide a flexible way to distribute connectivity in the home

HomePNA speeds of up to 320 Mbps

Backward compatible with HomePNA 3.0

#### Product Overview

The Motorola TER-HPNA2 HomePNA 3.1 adapter enables easy home networking of Ethernet devices using the existing coaxial cable already in most homes.

The unit converts Ethernet to HomePNA signaling on coaxial cables at frequencies that do not interfere with other applications such as the Broadcast TV.

With HomePNA speeds of up to 320 Mbps, the TER-HPNA2 adapter provides the ideal support for concurrent data, voice, and video services being shared in the home network. The advanced feature capabilities, like traffic management and QoS, make the delivery of IPTV, VoIP and real time gaming applications flawless.

#### User Friendly Installation

The adapter's friendly installation and ease of use is ideal for consumers who want a home network that is simple to setup in minutes. Motorola home network adapters are supplied with an easy-to-use Motorola installation wizard that can assist the home user during the installation process.

Using the existing coaxial cable provides a flexible way to distribute connectivity in the home, allowing the end user to easily start sharing IPTV, browse the internet and share data, music, or pictures from anywhere in the house.

The overall solution provides the capabilities for a scalable deployment either in a point-to-point configuration or point-to-multipoint scenarios allowing the end-user to expand the whole home network easily and effectively.

#### Service Assurance

By combining the highest-performing and lowest cost of ownership whole home connectivity adapter in the industry with comprehensive management, high-availability, and high-reliability, Motorola is offering an all-in-one approach to broadband home networking.

## DATA SHEET

Motorola HomePNA Adapter  
TER-HPNA2

## Specifications

### INTERFACES

HPNA, coaxial connector  
10/100 Ethernet, RJ-45

### HOME PNA SUPPORT

ITU-T G.9954, HomePNA 3.1 compliant  
Backward compatible with HomePNA 3.0  
12 to 44 MHz Spectrum Support  
75 ohm F-Type Female Coaxial Connector  
CSMA/CA Media Access Control  
QAM and FQAM modulation  
Constellations of 2 to 10 bits per symbol  
Phy Rate 4Mbps – 320Mbps (rate adaptive)  
Master or end-point capable  
Up to 10 Nodes on network  
Up to 255 end user devices

### ETHERNET SUPPORT

IEEE 802.3u 10/100BASE-T  
Full or Half Duplex  
10Mbps or 100Mbps  
Auto MDIX Support  
IEEE 802.3x Flow Control

### TRAFFIC MANAGEMENT AND QoS

IEEE 802.1p Priority Mapping  
IEEE 802.1p/TOS Priority Queues  
IEEE 802.1q VLAN Tag Pass-through,  
Guaranteed or Relative QoS  
HomePNA 3.1 Parameterized QoS  
Deterministic Bandwidth, Latency, Jitter, PER  
Latency less than 10ms  
Jitter less than 1ms

### LOCALIZATION

English

Optional: French, German, Italian, Portuguese (Brazil), Spanish  
(Latin America)

### INSTALLATION WIZARD

PC Windows 2000, XP SP2, Vista and 7  
Macintosh OS X

### REGULATORY COMPLIANCE

Americas

UL60950, CUL, CSA  
FCC Part 15 Class B, ICES-003  
CEC Compliant, Energy Star

EMEA

EN 60950  
EN 300 386  
RoHS Compliant  
Code of Conduct (CoC) 2008 Compliant

### ENVIRONMENTAL SPECIFICATION

Operating Temperature  
0 °C to 40 °C (32 °F to 104 °F)

8% to 95% (Non Condensing) Relative Humidity

Storage Temperature  
-20 °C to 85 °C (32 °F to 158 °F)

Power Consumption  
Max 430mA at 12VDC

### PHYSICAL SPECIFICATION

Dimensions  
1.2 in H x 3.3 in L x 4.7 in W  
(3.0 cm x 8.4 cm x 12.0 cm)

Weight  
150g (5.3 oz)

Placement  
Desktop or Vertical wall mount

### ORDERING INFORMATION

North America  
TER-HCNA2-N1

EMEA  
TER-HCNA2-E1



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